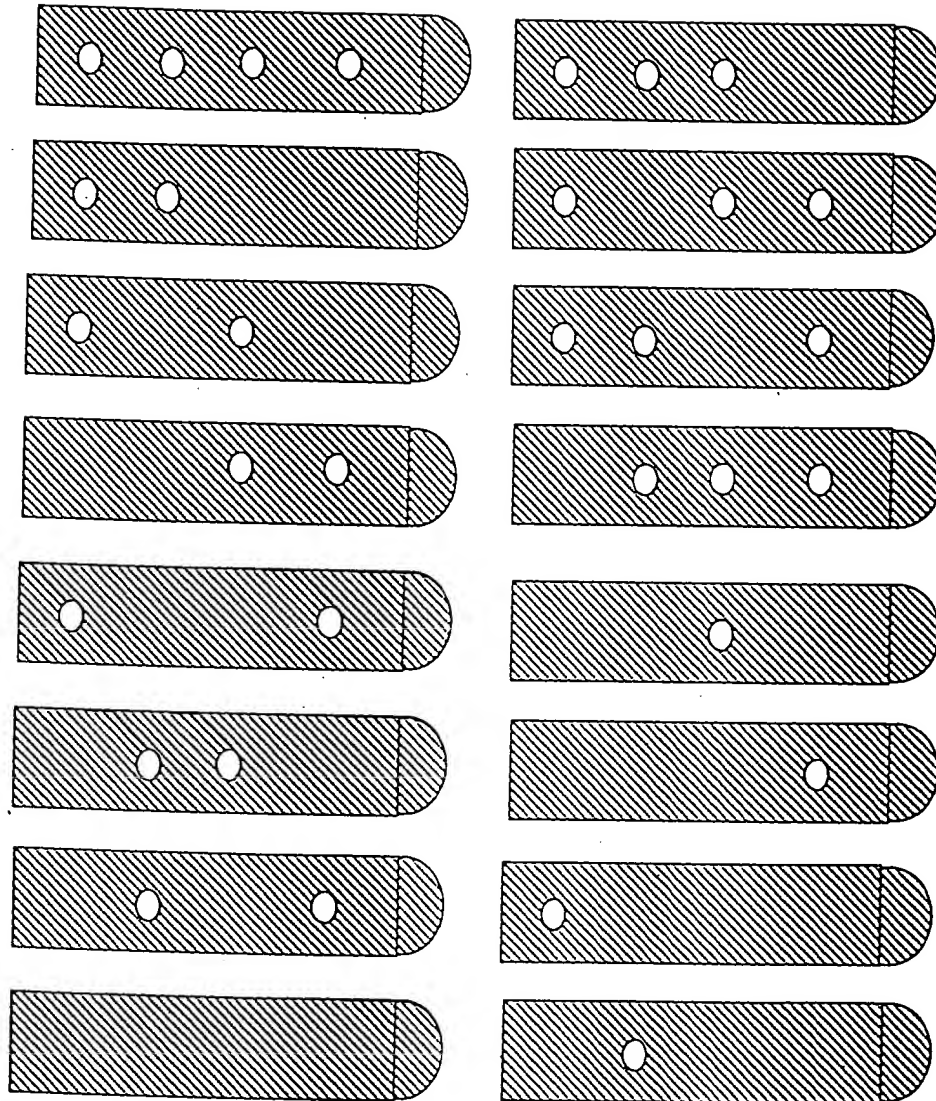
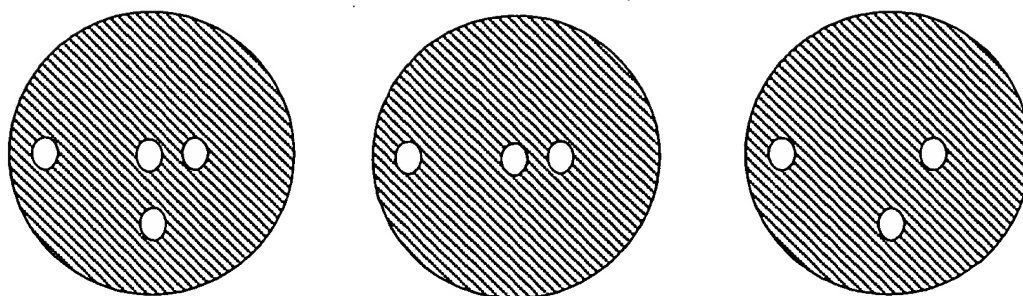


Figure 1

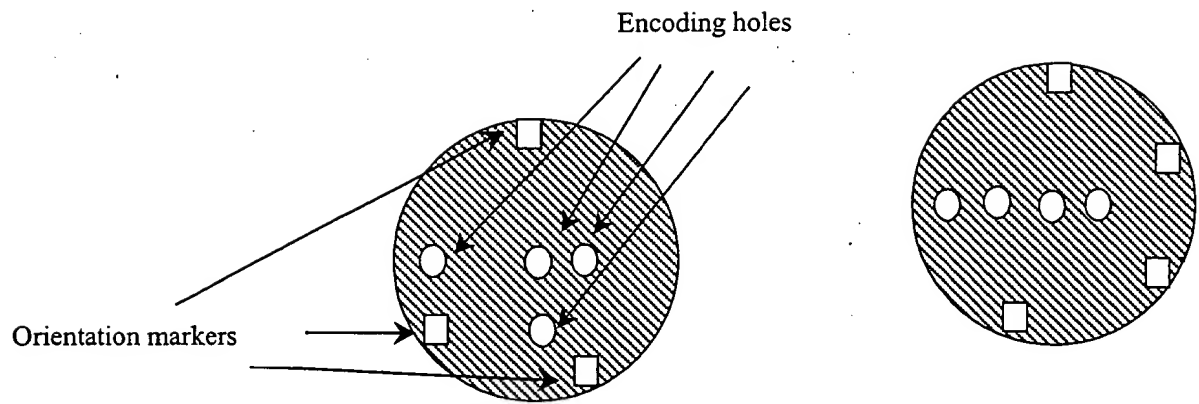


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Figure 3



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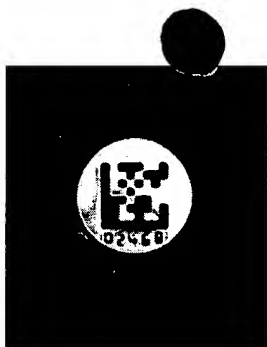


FIG. 4A



 SiO_2
 Nickel

FIG. 4B

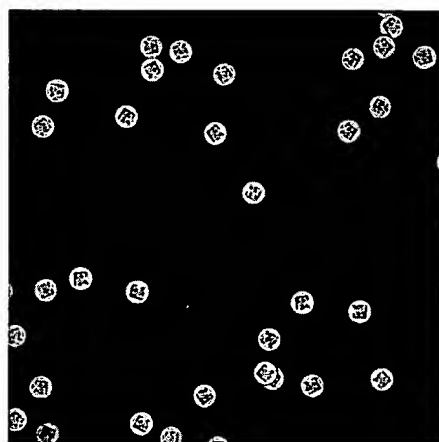


FIG. 5

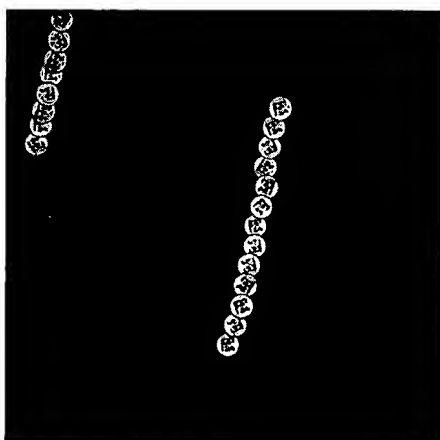


FIG. 6A

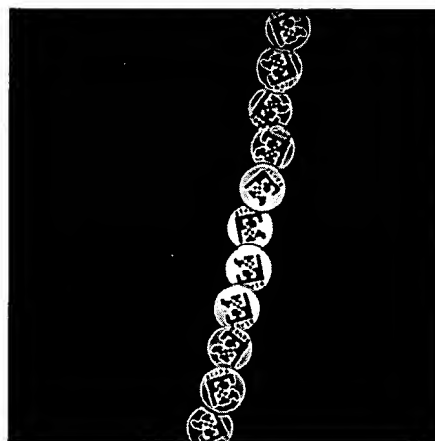


FIG. 6B



FIG. 7



FIG. 8A

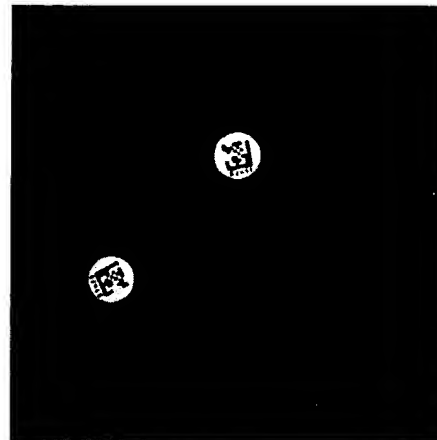


FIG. 8B

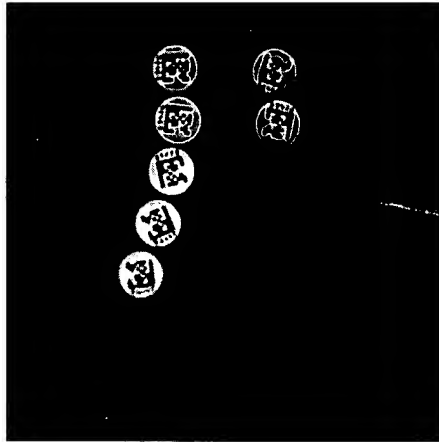


FIG. 9

FIG. 10A

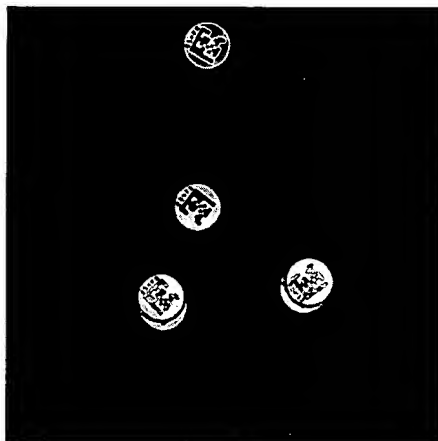


FIG. 10B

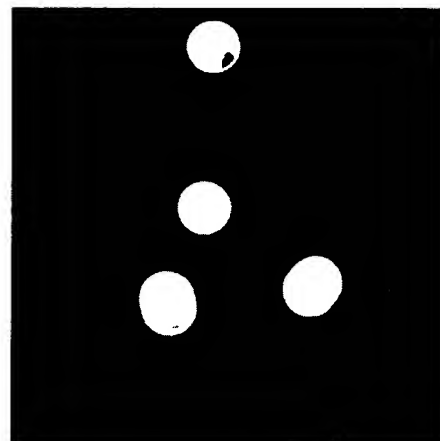


FIG. 10C

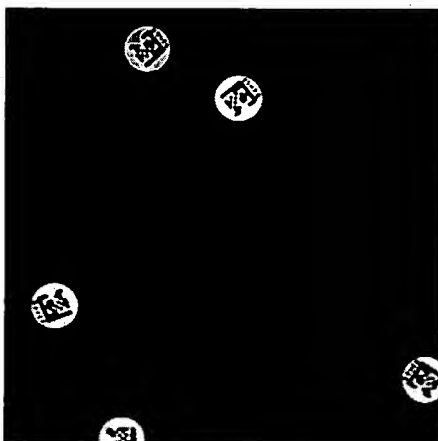


FIG. 10D

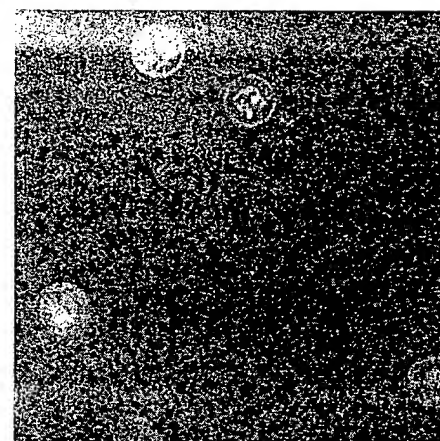


FIG. 11A



FIG. 11B

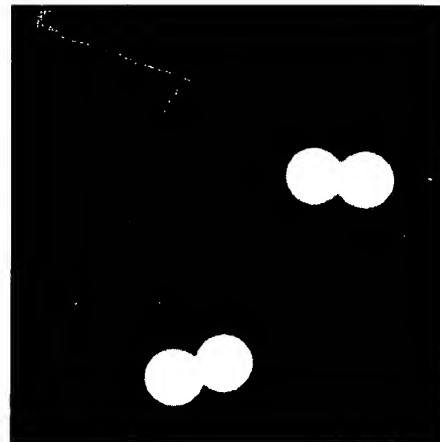


FIG. 11C

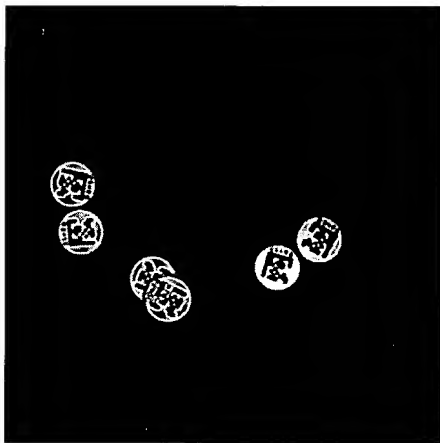


FIG. 11D

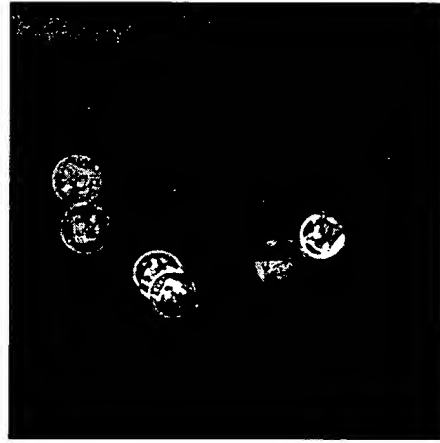


FIG. 12A



FIG. 12B



FIG. 13



FIG. 13A

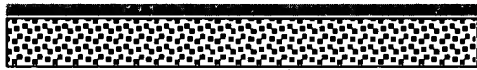


FIG. 13B



FIG. 13C



FIG. 13D



FIG. 13E

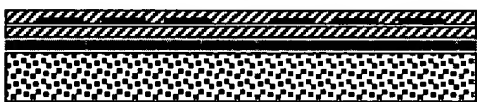


FIG. 13F

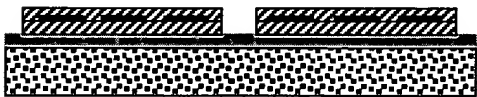
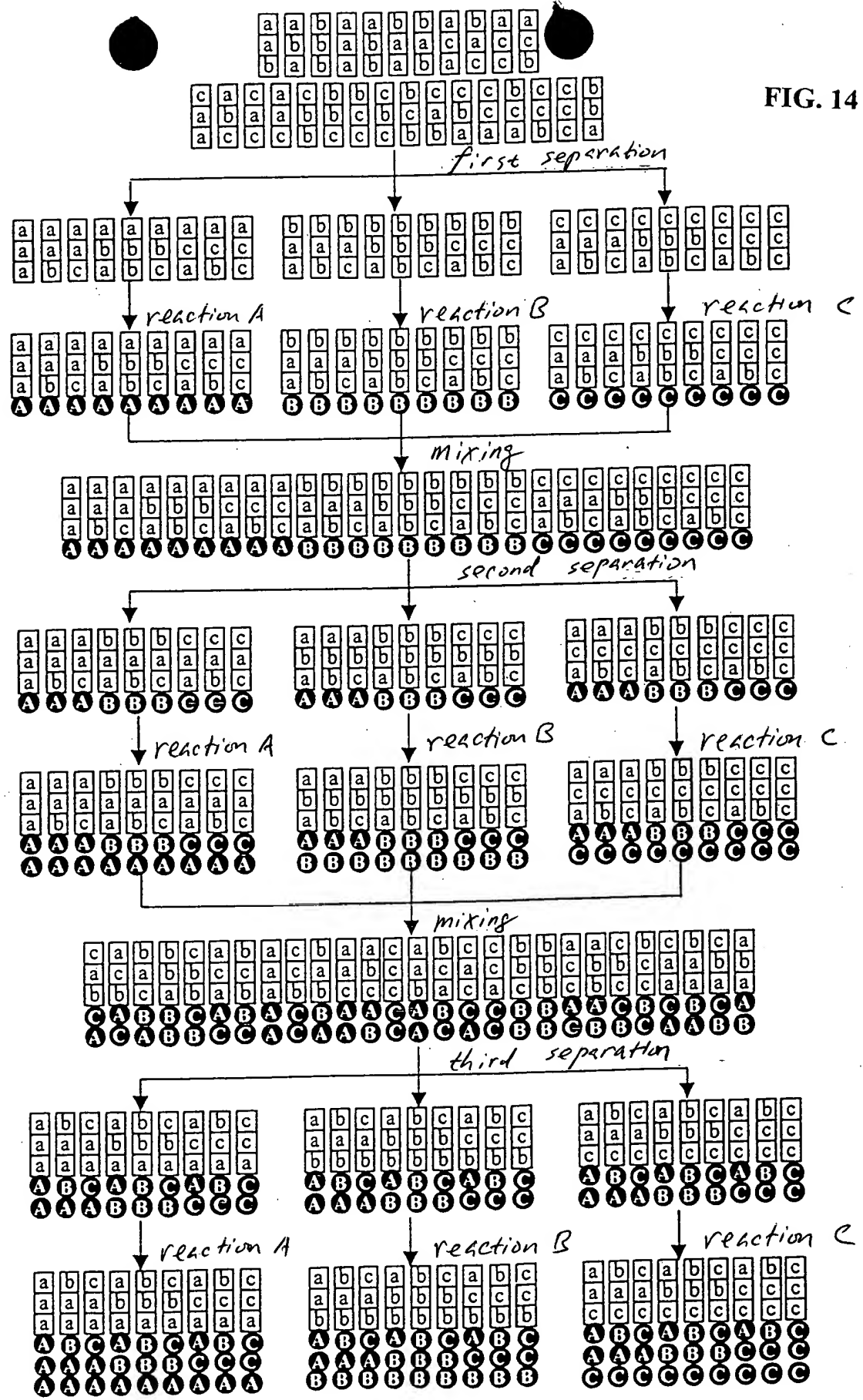


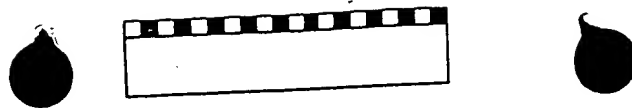
FIG. 13G



FIG. 13H

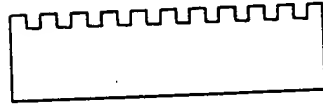
FIG. 14



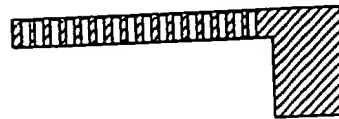


(A)

FIG. 15



(B)



(C)

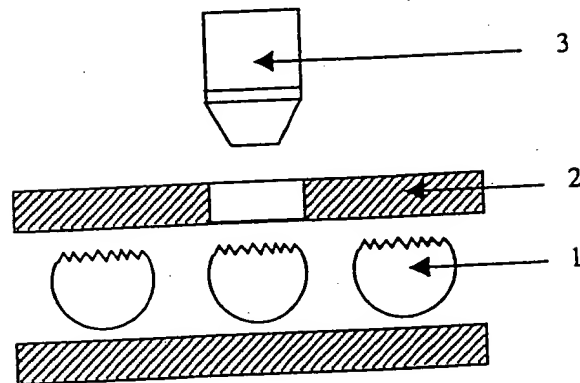


FIG. 16

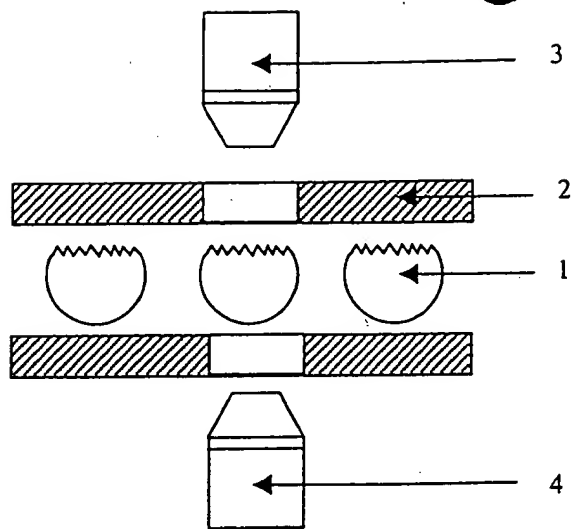


FIG. 17